APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

A New Extrapolation Method for Long Term Strength Tests, by W. Siegfried.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, Mar 1962, pp 157-166.

BISI 2857

Sci - Engr

210,870

Sep 62

list 148

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

STRUCTURAL EXAMINATION OF AUSTENITIC CHROMIUM-NICKEL-NIOBIUM STEEL CREEP SPECIMENS, BY A. SCHRADER, A. KRISCH.

GERMAN, PER, ARCHIV FUER EISENHUTTENWESEN, VOL XXXIII, MAR 1962, PP 167-175.

BISI 2919

SCI M/M

NOV 62

LIST 151

217,663

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Ternary System Iron-Phosphorus-Niobium, by R. Vogel, W. Bleichroth.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, Mar 1962, pp 195-210.

NIRI 2931

Sci - m/m

Jan 63

219,248

list 159

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Influences of Deformation, Final Rolling Temperature, Cooling Conditions and Heat Treatment on the Mechanical Properties of Hot Rolled Heavy Plate, by M. Haneke. GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 4, 1962, pp 211-276. BISI 3760

Sci - Engr
Aug 624

264,273

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Prevention of Caking of Fluidized Beds in the Reduction of Iron Ores, by H. Schenck, et al.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 4, Jul 1962, pp 211-216.

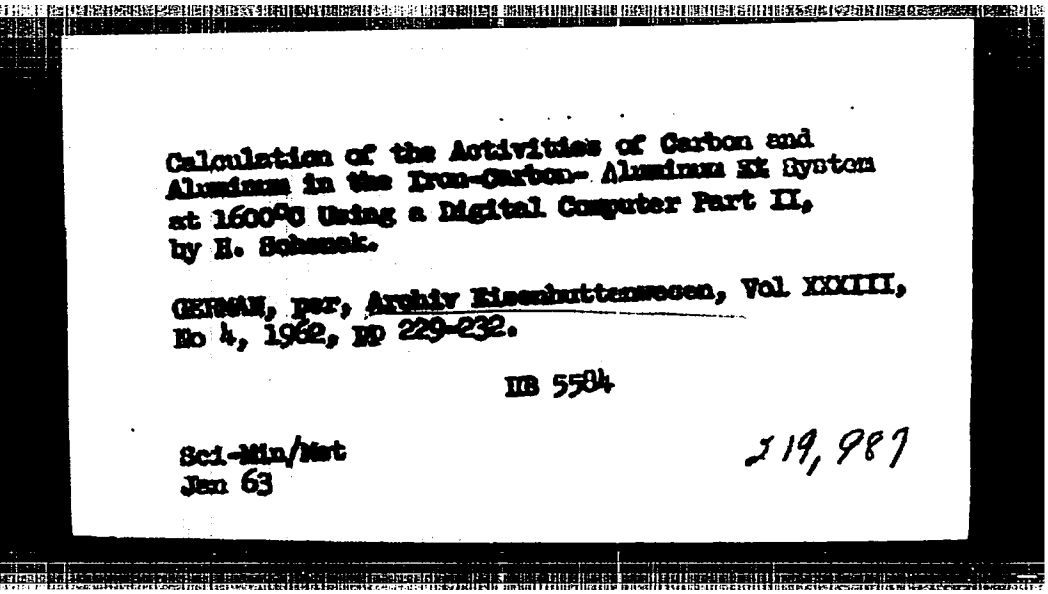
HB 5636
CSIRO/6018
204, 158

Sci - Chem

Jul 62

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0



Calculation of the Activities of Carbon and Aluminum in the Iron-Carbon- Aluminum xx System at 1600°C Using a Digital Computer Part II, by H. Schenck.

GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIII, No 4, 1962, pp 229-232.

MB 5584

Sci-Min/Met
Jan 63

219,987

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Contribution to the Activity of Carbon in Liquid Iron Alloys, Parts I, II, by H. Schenck, et al.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 4, Aug 1962, pp 223-232.

HB 5637
Part II HB 5584 - pp 229-232

Sci - Chem

Jul 62

204, 159
Part II - Reverse Translation
by CEA - 9203239

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Influence of Deformation, Final Rolling Temperature, Cooling Conditions and Heat Treatment on the Mechanical Properties of Hot Rolled Heavy Plate, by M. Hancke.
GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 4, 1962, pp 231-241.
*BISI 3760

Sci - Engr
Jun 64

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Method of Measuring the Explosive Strength of Metals and Alloys and Their Behaviour Under Shock-Wave Stresses, by E. Schmidtmann, D. Springorum, H. Schenck.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 4, Aug 1962, pp 241-250.

[redacted] 5638

Sci - Phys

204,760

Jul 62

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Influence of Mo on the Structure Hardness and Impact Strength of Nb, by K. Bungart, G. Lennartz.
GERMAN, per, Archiv. fur das Eisenhuttenwesen, Vol XXXIII, 1962, pp 251-259.

AEC

Sci
Mar 64

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

PRECIPITATION PROCESS IN A STEEL WITH APPROX. 0.14% C; 0.6% Mo AND 0.3% V AND THEIR EFFECT ON ITS PROPERTIES, BY E. BAERLECKEN, H. FABRITIUS.

GERMAN, PER, ARCHIV FUER EISENHUTTENWESEN, VOL XXXIII, APR 1962, PP 261-267.

BISI 2898

SCI M/M

NOV 62

217,659

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Use of the Magnetic Balance to Establish Phase Diagrams of Iron-Rich Systems in the Solid State, by K. Lorenz, H. Fabrittius.
GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 4, 1962, pp 269-275.
BISI# 2914

Sci - M/M
Sep 63x4

266,965

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Research on the Measurement of Sound Attenuation and the Determination of the Error With Ultrasound.

GERMAN, per, Archiv fur das Eisenhuttenwesen, No 5, 1962.

MI3-D
Call Handbook and Analysis Br
ACSI

Sci - Phys
28 Jan 63

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Effect of Chemical Composition and of Rolling Conditions on the Yield Point of Killed Special Deep-Drawing Steel, by H. G. Rosenstock, H. F. Klarner, E. Schmidtmann.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, May 1962, pp 281-284.

BISI 2930

Sci - Min/metals

Oct 62
list 149

212,271

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Determination of Defect Size in Forgings by an Ultrasonic Technique, by P. Opel, G. Ivens.

[illegible], per, Archiv Eisenhuttenwesen, Vol XXXIII, No 5, 1962, pp 311-316.

HB 5655

Sci-Min/Met
Jan 63

220,007

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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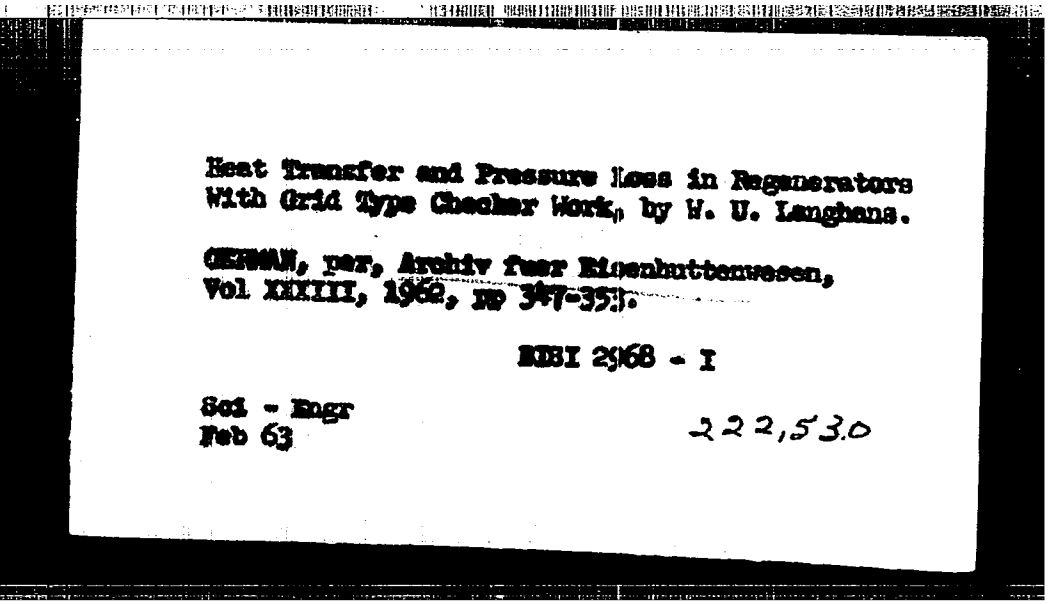
GERMAN, per, Archiv F. Das Eisenhuttenwesen, Vol. 33, 1962, pp 317-325
GB/7/1093

Sci -
Aug 67 335-729

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0



Heat Transfer and Pressure Loss in Regenerators With Grid Type Checker Work, by W. U. Langhans.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, 1962, pp 347-351.

RRSI 2968 - I

Sci - Engr
Feb 63

222,530

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Course of Oxidation of Iron and Carbon in the Scaling of Iron-Carbon Alloys, by K. Bohnenkamp, H.-J. Engell.

GERMAN, per, Archiv fuer Eisenhuettenwesen, Bd Vol XXXIII, 1962, pp 399-407

BISI 3065

Sci - M/M
Feb 63

222,526

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Carburization and Decarburization of the Peripheral Zone of Non-Alloy and Alloy Steels in the Gas Phase Between 900 - 1000°C, by W. Leuprecht, W. Rudiger.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, Jun 1962, pp 371-383.

Sci - M/M
May 63

RTSI 3070

230,739

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Investigations on Rolling Texture in Iron and Body Centered Cubic Iron Alloys, by J. Bonnewitz.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, 1962, pp 393-403.

BISI 2945

Sci - M/M
Feb 63

222,529

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Removal of Copper From Pig Iron and Lead by the Use of Sodium Sulfide Slags, by H. Schenck, G. Perbix.

GERMAN, FRR, Archiv Eisenhuttenwesen, Vol XXXIII, No 7, 1962, pp 417-420.

HB 5708

Sci-Min/Met
Jan 63

220,028

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Heat Transfer and Pressure Drop in Regenerators With Basket Weave Storage Media, by W-U. Langhans

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, 1962, pp 441-451.

BISI 2968
GB/41/2968

Sci - Engr
Feb 63

[redacted]
324, 239

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Coulometric Determination of the Hydrogen Content of Steel by the Carrier-Gas Method, by E. [redacted] Geigerl.

GERMAN, pp. Archiv Eisenhuttenwesen, Vol XXXIII, No 7, 1962, pp 453-455.

HB 5503

220,000

Sci-Min/Met
Jan 63

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Rapid Determination of Oxygen in Steel by a High-Vacuum Fusion Procedure, by T. Kraus.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXXIII, No 8, 1962, pp 527-531.

ED 5716

Sci-Min/Met
Jan 63

219,972

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Effect of Carbon and Molybdenum Upon the Formation of Structural Constituents, Especially Intermetallic Phases, in Austenitic Chromium Nickel Steel, by H. Wiegand, M. Doruk.

[illegible], per, Archiv fuer Eisenhuettenwesen, Vol XXXIII, 1962, pp 959-966.

[illegible] 3059

Sci - M/M
Feb 63

222,522

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Change in Properties Brought About by Phosphorous Compound Formation in Iron Alloys, by W. A. Fischer. GERMAN, per, Arch Eisenhuttenw., Vol 33, 1962, pp 583-588.
*NTIS/NBS TT 71-55134
Available NBS Only

June 71

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Equilibrium in the Reaction of Sulphur Between Molten Carbon-Saturated Iron and Lime-Silica-Alumina-Magnesia Slags at 1550°C, by H. Schenck, M. Frohberg.

GERMAN, per. Archiv fur Eisenhuttenwesen, Vol XXXIII, Sep, 1962, pp 589-591.

BISI 3145

Sci - Phys
Jul 63

235,731

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Studies on the Nitrogen Absorption by Liquid Iron Alloys at Pressures up to Four Atms, by H. Schenck, M. G. Frohberg, et al.
GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 9, 1962, pp 593-600.
HB 5751

Sci-M & M
June 64

261,772

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Direct Photometric Determination of Antimony in Plain Carbon Steels, by H. Ploum.
GERMAN, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 9, 1962, pp 601-605.

BISI 3516

Sci - M/M
Feb 64

250,053

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

On the Chromium-Iron-Carbon System in the Region of Commercial Ferro-chromes, by W. Pepperhoff, H. E. Buehler, et al.

GERMAN, per, Archiv Eisen-Huttenwesen, Vol XXXIII, No 8, 1962, pp 611-616.

MM 5750

Sci-MM
May 63

229,836

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Combined Action of Deformation Conditions, Segregations and Inclusions in their Effect on the Properties of Coarse Plates Ascertained by Longitudinal and Transverse Tests, by H. A. Vogels, W. Dahl.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, Oct 1962, pp 649-659.

RISI 3102

Sci - M/M
Apr 63

229477

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Zone Melting Experiments With Iron Alloys and Commercial Steels, by W. A. Fischer, R. Uberoi.

GERMAN, per, Archiv Eisenhuttenwesken, xXmixXK
Vol XXXIII, No 10, 1962, pp 661-678.

HB 5763

Sci-M/M
Apr 63

229,361

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Magnetic Measurement on the Ageing of Iron Due to Nitrogen, by F Erdmann-Jesnitzer, W. Precht.

GERMAN, per, Archiv fuer Eisenhuettenwesen, Vol XXXIII, Oct 1962, pp 669-676.

NIRI 3019

229,476

Sci - M/M
Apr 63

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Ultrasonic Inspection of Steel Sheet and Plate With Lamb Waves, Part I, by P. Holler, E. Lechky.
GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIII, No 10, 1962, pp 699-704.

HB 5764

Sci - M/M

Mar 64

250,796

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Ultrasonic Inspection of Steel Sheet and Plate With Lamb Waves. Part II, by P. Holler, E. Lechkey. GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIII, No 10, 1962, pp 701-710.
HB 5872

Sci - M/M
Apr 64

255,951

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Metallographic Investigation of Ferrite Formation in Austenitic Chromium-Nickel Steels, by W. Pepperhoff.
GERMAN, per, Archiv fuer das Eisenheuttenwesen, Vol 33, No 10, 1962, pp 711-713.
NTC-71-15555-11F
BI,bI 3090

Feb 72

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Damping Behaviour of Iron-Molybdenum Alloys, Function of the Test Temperature, Cold Work and Heat Treatment, by E. Schmidtmann.

GERMAN, per; Archiv fuer Eisenhuttenwesen, Vol XXXIII, Oct 1962, pp 715-722.

BISI 3091

Sci - M/M
Mar 63

224,474

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Segregation Effect of Chromium in the Iron Nickel-Sulphur System, by R. Vogel

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXXIII, Oct 1962, pp 723-727.

NSRI 3223

Sci - M/M
Aug 63

342173

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

On the Kinetics of Degassing Steel Melts Under Reduced Pressure, by H. Knuppel, F. Oeters.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Parts I, II, Vol XXXIII, Nov 1962, pp 729-743.

RMSI 3166

Set - M/M
Jun 63

232,396

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Tromel, G. and Fix, W.
THE EQUILIBRIA BETWEEN IRON MELTS AND LIME-CONTAINING PHOSPHATE SLAGS IN THE PRESENCE OF SILICA AND MANGANESE OXIDE. [1963] 21p.
Order from ATS $29.75 ATS-62Q69G

Trans. of Arch[iv für das] Eisenhüttenw[esen] (West Germany) 1962, v. 33, no. 11, p. 745-755.

DESCRIPTORS: *Iron, *Calcium compounds, *Oxides, *Phosphates, *Slags, Silicon compounds, Dioxides, Manganese compounds, *Chemical equilibrium.

(Metallurgy--Ferrous Metals, TT, v. 10, no. 5)

63-17737

I. Tromel, G.
II. Fix, W.
III. ATS-62Q69G
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Effect of Explosive Forming Upon the Properties of Anisotropic Materials, by C. A. Verbraak.
GERMAN, per, Archiv Eisenhuttenwesen, Vol 33, No 11, Nov. 1962, pp 757-760.
MB 5810

Sci-MGM
Aug 66 308,826

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Dahl, W. and Hangstenberg, H.
EVALUATION OF NOTCH IMPACT BENDING TESTS WITH THE AID OF A. H. COTTRELL'S BRITTLE FRACTURE THEORY. [1963] 7p.
Order from ATS $9.45 ATS-61Q69G

Trans. of Arch[iv für das] Eisenhüttenw[esen] (West Germany) 1962, v. 33, no. 11, p. 771-774.

DESCRIPTORS: Impact shock, *Stresses, Tests, *Brittleness, *Fracture (Mechanics), Theory, Analysis.

(Mechanics, TT, v. 10, no. 2)

63-17331

I. Title: Cottrell's theory
I. Dahl, W.
II. Hangstenberg, H.
III. Cottrell, A. H.
IV. ATS-61Q69G
V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Metallographic Investigation of Ferrite Formation in Austenitic Chromium-Nickel Steels, by W. Pepperhoff
GERMAN, per, Archiv fuer das Eisenhuettenwesen, Vol 33, no 10, 1962, pp 711-713
NTC 71-15555-11F

BISI 3232

feb 72

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Effect of Viscosity and Surface Tension of a Melt on Slagging, by K. H. Karsch.
GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 12, 1962, pp 805-808.
BISI 3361

Sci - M/M
Jun 64

260,250

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Contribution to the Kinetics of the Oxygen Top-Blowing Processes, by H. Krainer.

GERMAN, per. Archiv Eisenhuttenwesen, Vol XXXIII, No 12, 1962, pp 809-816.

HB 5840

Sci - Phys
Mar 63

326,662

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Behaviour of Wustite Inclusions in Iron During Annealing, by W. A. Fischer, J. A. Schmitz. GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 12, 1962, pp 817-826.

BISI 3175

Sci - Engr
Feb 64

250,724

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Approximate Calculation of the Chemical Activity of Components of Ternary Systems Using a Limited Number of Initial Values, by V. Feldmann.
GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 12, 1962, pp 827-830.

BISI 3176

Sci - Engr
Feb 64

250,039

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Machinability of Components from Different Heats of Ck Steel, by H. Optiz, W. Koenig.
GERMAN, per, Archiv Eisenhuttenwesen, Vol 33, Dec 1962, No 12, pp 831-839.
HB 6576

Sci/B&M
Oct 65

288,605

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Effect of Oxide Inclusions on the Machinability of Ck 45 Steel With Carbide-Tipped Turning Tools, by H. Opitz, M. Goppisch.

GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIII, Dec 1962, pp 841-851.

BIBI 315?

235,718

Sei - M/M
Jul 63

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Effect of the Potential on the Inter-crystalline Corrosion of a Tempered Austenitic Chrome-Nickel Steel, by H.-J. Schuller

GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIII, Dec 1962, pp 853-862.

BISI 3177

Sci - M/M
Aug 63

341,469

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Study of the Discontinuous Precipitation in Carbon and Nitrogen-Alloyed Austenitic Iron-Chromium-Manganese-Nickel Cast Alloys, by M. Nacken, K. Muller.
GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 12, 1962, pp 863-872.
BISI 3178

Sci - M/M
Apr 64

253,291

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Phase Equilibration in the Ternary Fe System Iron-Cobalt-Manganese, by W. Koster, M. Speidel.

GERMAN, per, Archiv fuer Eisenhuettenwesen, Vol XXXIII, Dec 1962, pp 873-876.

BISI 3179

Sci - M/H
MaJan 64

246,468

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Heats of Formation of Alpha-and Gamma-Iron-Cobalt Alloys, by W. Steiner, O. Krisement.

GERMAN, per, Archiv fuer das Eisenhuttenwesen, Vol XXXIII, 1962, pp 877-881.

BISI 3180

Sci- M/M

Jan 64

248,759

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APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Equilibria Between Pig Iron Melts and Lime-Silica-alumina Slags During the Process of Carbon Reaction, by W. Oelsen. GERMAN, per, Arch. Eisenh, Vol 35, Nov. 1962, pp 1039-1057.
*BISI 4768

EE-Germany
Sci/M&M
MAr 66

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APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Significance of E Available Energy in the Thermodynamic Investigation of the Blast Furnace Process, by
H. Brauer, R. Jeschar.
GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIV, No 1, 1963, pp 9-16.

BISI 3537

Sci - Engr
Feb 64

250,730

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Effect of Reduction During Rolling and Skin Passing on the Anisotropy of Mechanical Properties of Steel Strip for Deep Drawing Purposes, by H. Borchers, H.-H. Hoff.

GERMAN, per, Archiv fuer Eisenhuettenwesen, Vol XXXIV, Jan 1963, pp 17-26.

EDSI 3161

Sci - Engr
May 63

230,740

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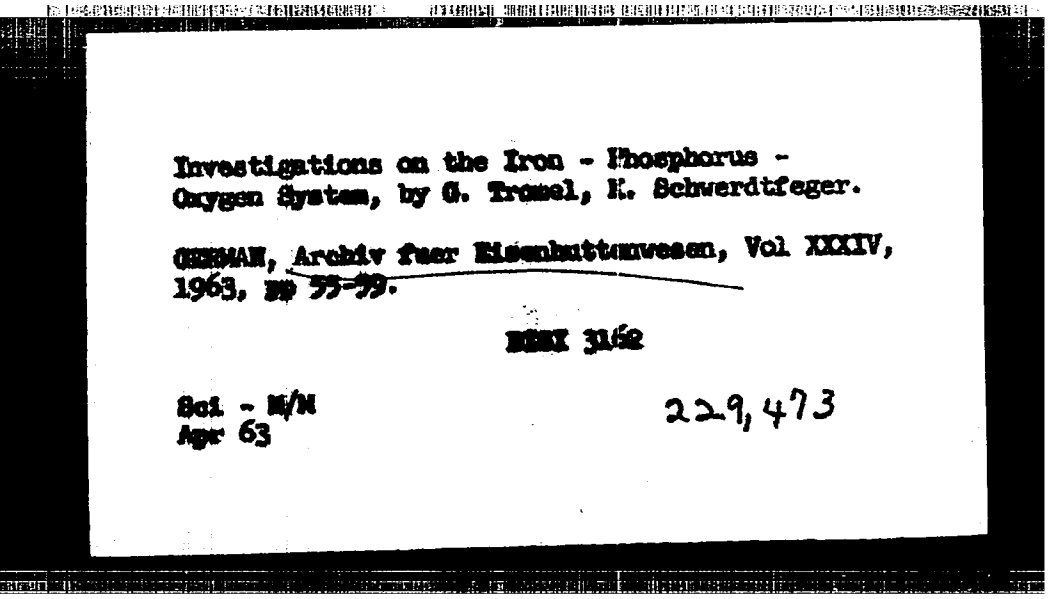
APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0



Investigations on the Iron - Phosphorus - Oxygen System, by G. Trömel, K. Schwerdtfeger.

GERMAN, Archiv fuer Eisenhuttenwesen, Vol XXXIV, 1963, pp 55-99.

[redacted] 3162

Sci - M/M
Apr 63

229,473

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APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Metallographic Studies of Temperature Range of Incipient Melting of Austenitic CR-NI Steels Stabilized With TI or CD, by H.J. Schuller.

GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIV. No 1, 1963, pp 61-68.

HB 5860

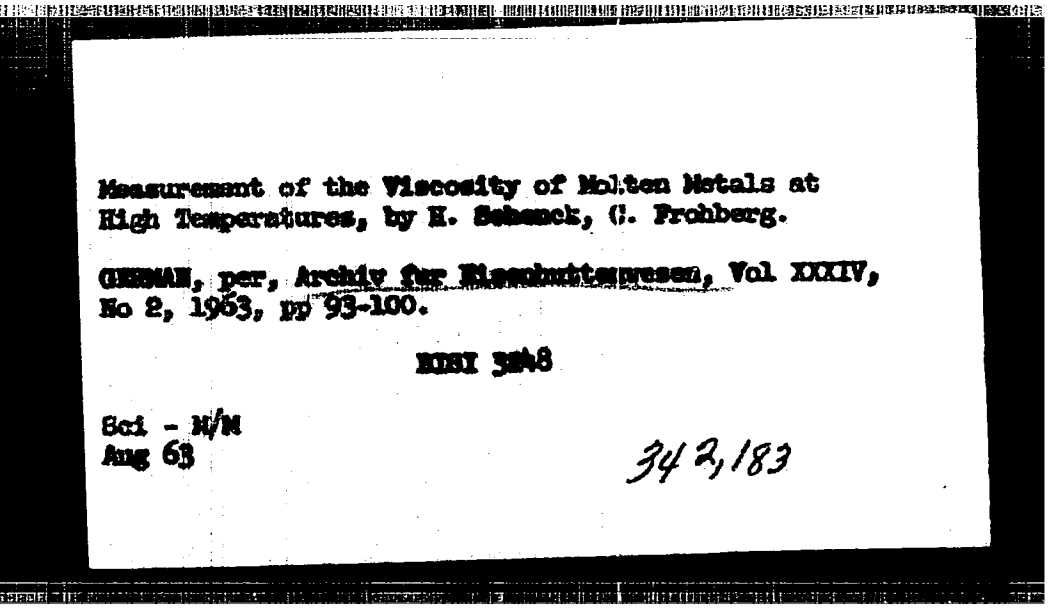
Sci - M/M
Mar 63

726,667

CEGB 3168

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0



Measurement of the Viscosity of Molten Metals at High Temperatures, by H. Sahmek, G. Frohberg.

GERMAN, per, Archiv fur Eisenhuttenwesen, Vol XXXIV, No 2, 1963, pp 93-100.

[redacted]

Sci - M/M
Aug 63

342,183

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Equilibria Between Iron-Phosphorus Melts and Lime-Free Slag Containing Phosphorus, by Dr Ing G. Tromel, K. Schwerdtfeger.

GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIV, Feb 1963, pp 101-108.

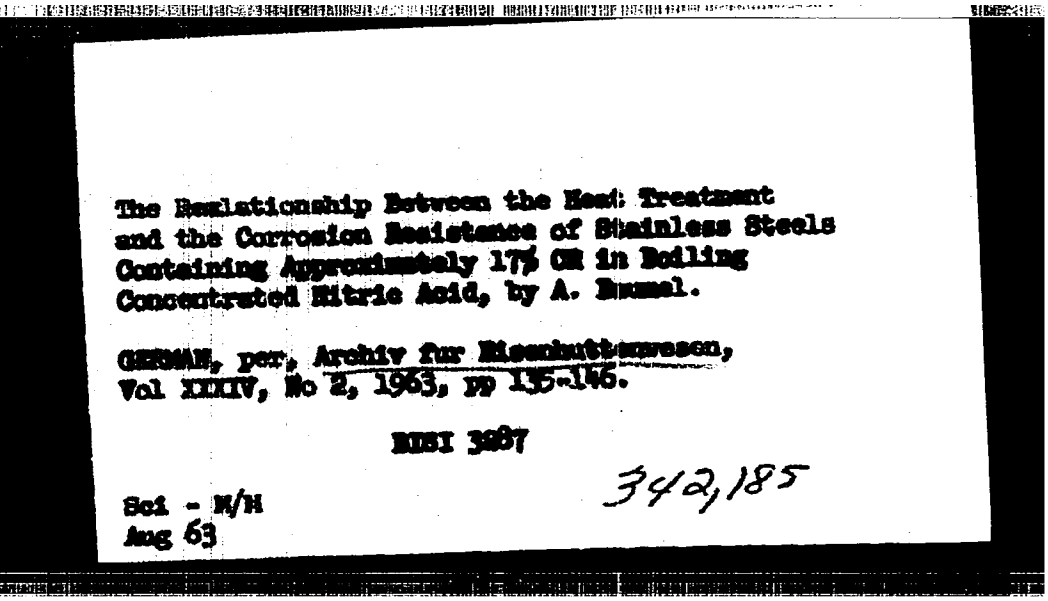
BSSI 3221

235,710

Sel - M/M
Jul 63

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0



The Realationship Between the Heat Treatment and the Corrosion Resistance of Stainless Steels Containing Approximately 17% CR in Boiling Concentrated Nitric Acid, by A. Rumel.

GERMAN, per, Archiv fur Eisenhuttenwesen, Vol XXXIV, No 2, 1963, pp 135-146.

RUSI 3987

342,185

Sci - M/H
Aug 63

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Problem of Lattice Distortions Durigng the Cold Deformation of Metals, by F. Wever, H. Botigher

GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIV, 1963, pp 147-149.

*BISI 3222

Sci - M/M
Apr 63

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Behaviour of Heat-Resisting Ferritic Steels in the Creep Test Under Varying Temperatures, by W. D. Ropke.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIV, No 3, 1963, pp 159-166.

BISI 3261

Sci - M/M
Nov 63

241,653

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APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Decarburisation Free Annealing of Non-Alloy Steels Below Ac_1 and Ac_3 in a Protective Gas Atmosphere, by P. H. Ebner
GERMAN, per, Arch. Eisenh., Vol 34, Mar 1963, pp 167-171
BISI 5557

Neur
Sci/MICRME
Oct 67

341729

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Special Etching Methods for Steels, With Examples of Application, Part I & II, by J. Brauner.
GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIV, No 3, 1963, pp 173-179.
BISI 3547

CEGB-3477

Sci - M/M
Apr 64

253,286

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APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Sensitive Analysis of Structural Constituents in Metal Microsections by X-Ray Diffraction, by H. Kudielka, H. Moller.

GERMAN, per, Archiv fur Eisenhuttenwesen, No 3, 1963, pp 181-185.

NIRI 3962

Sci - M/M
Aug 63

342,184

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Contribution of the Detection of the σ-Phase and on the Kinetics of its Formation and Solution in Iron-Chromium and Iron Chromium-Nickel Alloys, by F. K. Naumann.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIV, No 3, 1963, pp 187-194.

BISI 3295

Sci - Chem
Sep 63

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Application of the Counter-Tube Goniometer on the Soemann-Schlin Principle to Stress Measurement, by G. Kunze, G. Wassermann.

GERMAN, per, Archiv fur das Eisenhuttenwesen, Vol XXXIV, 1963, pp 195-204.

BISI 3263

Sci - Engr
Dec 63

243,5 26

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Determination of Texture by the Reflection Method,
by F. Wever, H. Rottlicher.

GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIV,
Mar 1963, pp 305-310.

[redacted] 3264

Sci - Engr
Aug 63

343,425

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APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIV, No 3, 1963, pp 217-221.
BISI 3695
C.R.L / T. 1550

Sci - Engr
Jun 64

261,126

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Costing System of Energy Balances in a Steelsworks, Part I, by R. Graef.
GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIV, No 3, 1963, pp 223-226.
BISI 3615

Sci - M/M
Jun 64

261,132

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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On Kinetics of Deoxidation of Steel With Aluminium, by L. von Bogdandy, W. Meyer.

GERMAN, per, Archiv fur das Eisenhuttenwesen, Vol XXXIV, 1963, pp 235-241.

BISI 3297

Sci - M/M
Sept 63

345,137

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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Experience in Spectrometric Supervision of Steelmaking Operations, by P. Dickens, P. Koning.

GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIV, No 4, 1963, pp 243-246.

HB 5959

Sci - M/M
Jun 63

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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Degenerated Structure as a Transformation Form of Austenite Close to the State of Equilibrium, by A. Rose, H. P. Hougardy.

GERMAN, per, Archiv fur das Eisenhuttenwesen, Vol XXXIV, 1963, pp 259-267.

RISI 3298

Sci - Engr
Sept 63

345/138

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Effect of Cerium on the Properties of a Chrome-Nickel Stainless Steel, by H. J. Kirschning et al.

GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIV, 1963, No 4, pp 269-277.

HB 5960

Met & Met
Oct 63

345, 154

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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The Costs Matrix of the Power Supply to a Steelworks, Part II, by R. Graef.
GERMAN, per, Archiv fuer Eisenhuttenwesen, W
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BISI 3615

Sci - Engr
Jul 64

262,991

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Laws Governing Carbon Monoxide Evolution in Partially Killed Steels During Solidification, by H. Knuppel, P. Eberhard.

GERMAN, per, Archiv fur das Eisenhuttenwesen, Vol XXXIV, 1963, pp 325-340.

BISI 3334

Sci - M/M
Dec 63

R43,440

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIV, Part I, II, No 5, 1963, pp 357-358.

*BISI 3335

Sci - M/M
Aug 63

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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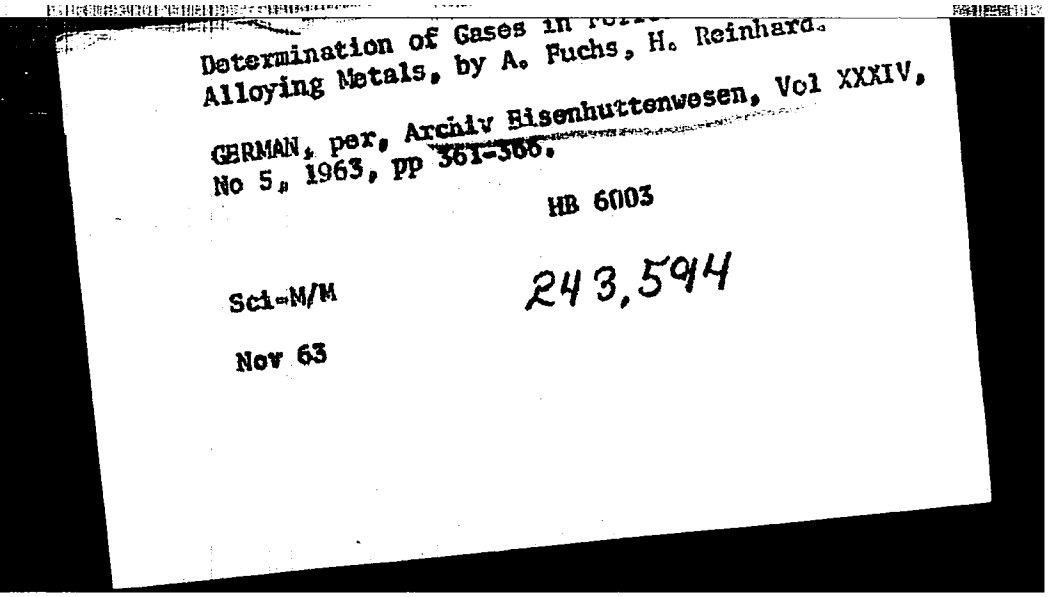

Determination of Gases in [illegible]
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GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIV,
No 5, 1963, pp 361-366.

HB 6003

Sci-M/M

243,594

Nov 63

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Crystallographic Properties of Cementite Precipitation in Austenite, by W. Pitsch.

GERMAN, per, Archiv fur das Eisenhuttenwesen, Vol XXXIV, May 1963, pp 381-390.

RIBI 3320

Sci - M/M
Oct 63

395 403

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APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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GERMAN, per, Archiv fuer Eisenhuttenwesen,
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BISI 3628

Sci - Engr
May 64

258,899

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIV, No 6, 1963, pp 425-434.
BISI 3391

Sci - Chem
Jul 64

262,153

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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Cementite Formation in Steels With Low Carbon Content, by H. Borchers, H. König.
GERMAN, per, Archiv fur das Eisenhuttenwesen, Vol 34, June 1963, pp 453-463.
BISI 4113

EE-Ger
Sci/MGM
May 65

279,550

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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Importance of Heat Transfer Processes in Induced Draught Sintering, by M. Schenck, W. Wenzel.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIV, No 7, 1963, pp 493-496.

BISI 3451

Sci - Engr
Nov 63

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APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

The Effect of Boron on the Precipitation Processes and Creep Behaviour of Niobium-Containing Austenitic Chromium-Nickel-Molybdenum Steels, by K. Bungardt, G. Lennartz.

GERMAN, per, Archiv fur das Eisenhuttenwesen, Vol XXXIV, July 1963, pp 531-546.

BISI 3439

243,614

Sci - M/M
Dec 63

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

Analysis of [O. H.] Steelmaking Slags During the Heats, [illegible] Using an Automatic X-Ray Fluorescence Spectrometer, by P. Dickens, P. Konig.

GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXIV, no 7, 1963, pp 519-525.

HM 6067

Sci-M/M
Jan 64

24,355

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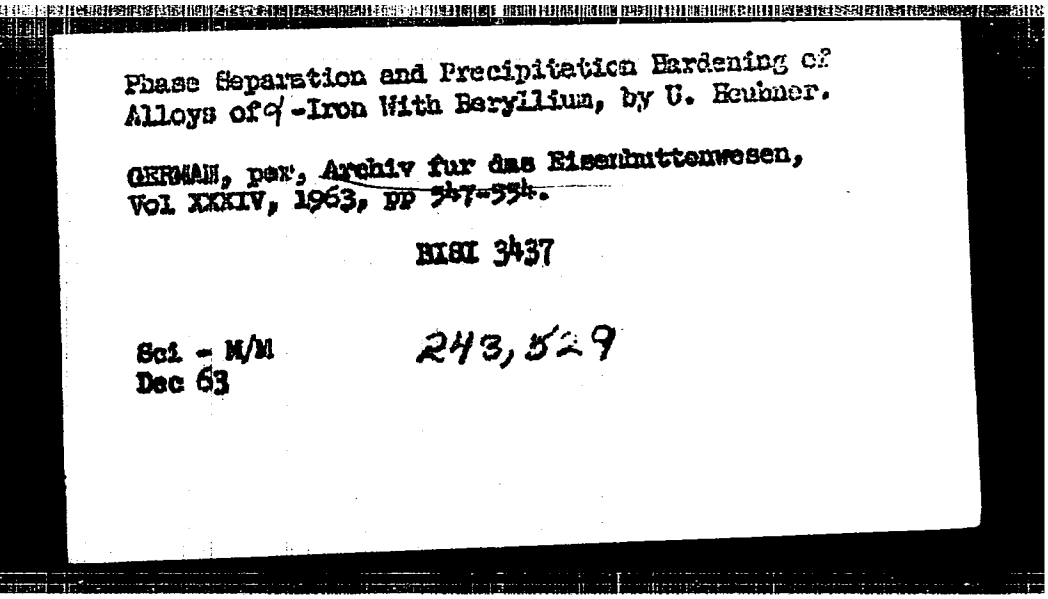

Phase Separation and Precipitation Hardening of Alloys of α-Iron With Beryllium, by U. Heubner.

GERMAN, per; Archiv fur das Eisenhuttenwesen, Vol XXXIV, 1963, pp 347-354.

BISI 3437

Sci - M/M
Dec 63

243,529

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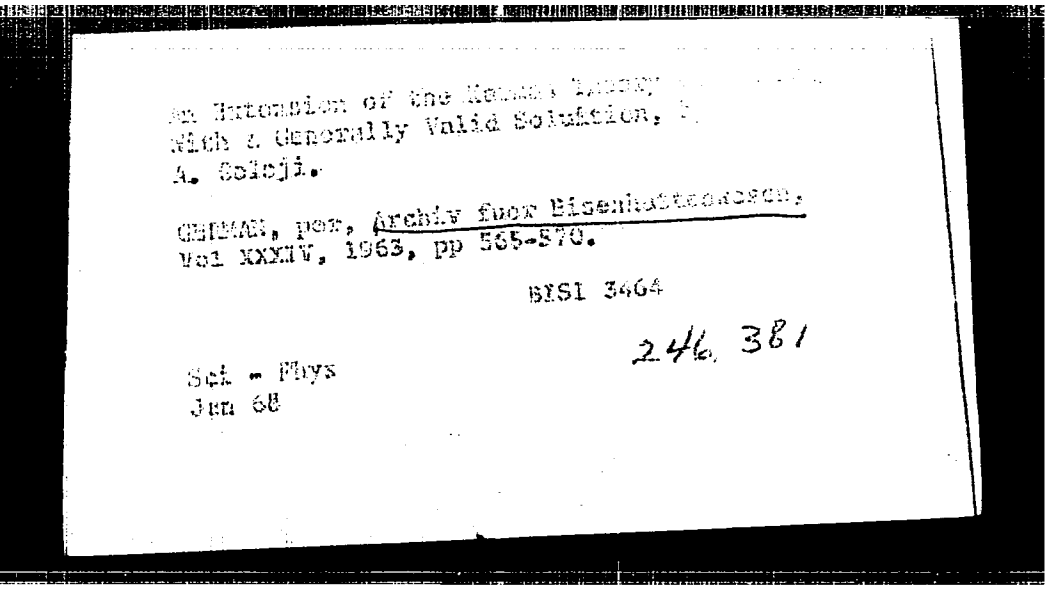

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With a Generally Valid Solution, I.
A. Golejä.

GERMAN, per, Archiv fuer Eisenhuettenwesen,
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BISI 3464

246, 381

Sci - Phys
Jan 68

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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BISI 3505 581

Sci - M/M
Apr 64

255,156

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BISI 3455

Sci - M/M
Mar 64

251,685

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BISI 3754

Sci - M/M, Chem
Sep 64

267,001

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIV, No 8, 1963, pp 595-599.
BISI 3502

CRL/T.1564

Sci - Chem
May 64

257,011

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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BISI 3433

Sci - Phys
Jun 64

261,130

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XGERMAN, per, Archiv fuer Eisenhuttenwesen,
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BISI 32434

Sci - Engr
May 64

257,018

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIV, No 8, 1963, pp 617-624.
BISI 3435

Sci - M/M
Apr 64

255,078

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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by K. Blankenstein.
GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIV,
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BISI 3500

Sci - M/M
Feb 64

250,046

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP84-00581R000401140062-0

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